

# Table 4.2: Area of Surface Disturbance, by Site and Alternative

Gravel Source	Total Volume of Deposit (cy)	Total Deposit Area (ac) <sup>1</sup>	Area of Access Roads <sup>4</sup>	Area Disturbed Alt. 1	Area Disturbed Alt. 2	Area Disturbed Alt. 3	Area Disturbed Alt. 4	Area Disturbed Alt. 5
<b>New Disturbance</b>								
Teklanika	75,000	1.5	-	0.7	1.3	0.1	1.4	1.4
East Fork River	<sup>2</sup>	<sup>2</sup>	-		<sup>5</sup>		<sup>5</sup>	<sup>5</sup>
Toklat River	<sup>2</sup>	<sup>2</sup>	-	<sup>5</sup>	<sup>5</sup>	<sup>5</sup>	<sup>5</sup>	<sup>5</sup>
Beaver Pond	70,000	3.5	0.1	0.0	1.2	0.0	1.1	1.1
Boundary	39,000	2.4	0.1	0.0	0.8	0.0	0.0	0.0
Moose Creek Terrace	164,000	3.7	0.1	0.0	0.0	2.5	0.8	0.0
North Face Corner	157,500	3.6	-	0.2	0.0	0.0	0.0	0.7
Camp Ridge	72,000	4.5	-	0.0	0.2	0.0	0.0	0.0
Kantishna Airstrip	77,000	7.6	0.2	0.0	1.1	0.0	0.0	0.0
<b>New In-Park Total</b>		<b>26.8</b>	<b>0.5</b>	<b>0.9</b>	<b>4.6</b>	<b>2.6</b>	<b>3.3</b>	<b>3.2</b>
<b>Previously Disturbed Sites</b>								
Downtown Kantishna	59,000	55.2	0.0	0.0	42	0.0	42	42
<b>Total In-Park Area</b>			<b>0.5</b>	<b>0.9</b>	<b>46.6</b>	<b>2.6</b>	<b>45.3</b>	<b>45.2</b>
External Sources	<sup>3</sup>	<sup>3</sup>	-	34.1	2.0	18.1	2.0	2.0
<b>Total Disturbed Area</b>			<b>0.5</b>	<b>35.0</b>	<b>48.6</b>	<b>20.7</b>	<b>47.3</b>	<b>47.2</b>

<sup>1</sup> Represents maximum possible area of disturbance at site if contingencies required shifting of volumes among sites.

<sup>2</sup> Not applicable, because the excavation would be in active floodplain.

<sup>3</sup> Estimated from ratio of average volume to average area of in-park sources.

<sup>4</sup> Where dashed, there is either an existing road, or source is immediately adjacent to Park Road

<sup>5</sup> Surface disturbance for equipment access and mirror-channel extraction cuts would occur seasonally, be obliterated in short term through natural processes.